



2882/88

PATENT APPLICATION

OLIFF & BERRIDGE, PLC
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Attorney Docket No.: 106539**AMENDMENT TRANSMITTAL**

In re the Application of

Michael NAHUM et al.

Group Art Unit: 2882

Application No.: 09/731,671

Examiner: C. Kao

Filed: December 8, 2000

For: SYSTEMS AND METHODS FOR HIGH-ACCURACY DISPLACEMENT DETERMINATION IN A CORRELATION BASED POSITION TRANSDUCER

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Amendment in the above-identified application.

- Entitlement to small entity status is hereby asserted.
 Small entity status of this application has been established.

The filing fee has been calculated as shown below:

(Column 1)	(Column 2)	(Column 3)	SMALL ENTITY	OTHER THAN A SMALL ENTITY	
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADD'L FEE
TOTAL CLAIMS	*58 MINUS	**43	=15	x 9	\$
INDEP CLAIMS	*10 MINUS	***4	=6	x 42	\$
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+140	\$
					\$

OR

RATE	ADD'L FEE
x 18	\$ 270
x 84	\$ 504
+280	\$
	\$ 774

- * If the entry in Column 1 is less than the entry in Column 2, write "0" in Column 3.
- ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
- *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" in this space (Total or Independent) is the highest number found from the equivalent box in Column 1 of a prior Amendment or the number of claims originally filed.

- Check No. 143495 in the amount of \$774.00 is attached. The Commissioner is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

Respectfully submitted,

James A. Oliff
 Registration No. 27,075

Gang Luo
 Registration No. 50,559

JAO:GXL/ale

Date: June 24, 2003



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w/Amndt a
PATENT APPLICATION

10/16/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Michael NAHUM et al.

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Application No.: 09/731,671

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DETERMINATION IN A CORRELATION BASED POSITION TRANSDUCER

PRELIMINARY AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT

Director of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

In reply to the March 26, 2003 Restriction Requirement and prior to initial examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please add new claims 44-58 as follows:

--44. An image-correlation optical position determining system, usable to estimate a displacement of a second image acquired by a sensing device relative to a first image acquired by the sensing device, the system comprising a signal generating and processing circuitry element that:

A

determines a set of correlation function value points indicative of a correlation function extremum, each correlation function value point based at least partially on a pattern of image values included in both the first image and the second image, each correlation function value point further based on a respective known spatial translation of the image values in the second image relative to the image values in the first image; and

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01 FC:1202
02 FC:1201

270.00 OP
504.00 OP

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